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BUREAU OF ANIMAL INDUSTRY—Circular No. 36.

DAIRY DIVISION—No. 41.

OFFICIALS, ASSOCIATIONS, AND EDUCATIONAL INSTITUTIONS CONNECTED WITH THE DAIRY INTERESTS OF THE UNITED STATES FOR THE YEAR 1902.

WASHINGTON, D. C., *March 1, 1902.*

In order to meet numerous inquiries made of this Department, as well as to show the extent to which the dairy interests of the United States are organized, some of the officials employed in connection with this industry, and the facilities offered for technical instruction, the accompanying lists have been prepared.

HENRY E. ALVORD,
Chief of Dairy Division.

Approved:

JAMES WILSON,
Secretary of Agriculture.

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UNITED STATES DEPARTMENT OF AGRICULTURE, 1902.

Secretary, JAMES WILSON.
Assistant Secretary, J. H. BRIGHAM.

Bureau of Animal Industry:

Chief, D. E. SALMON.
Assistant Chief, A. D. MELVIN.

Dairy Division:

Chief, HENRY E. ALVORD.
Assistant Chief, R. A. PEARSON.

STATE DAIRY OFFICIALS, 1902.

The State laws under which the dairy commissioners' and dairy and food commissioners' offices are created, and those especially relating to dairy matters, were compiled and published by the Dairy Division in 1898 (Dairy No. 21) and in 1900 (Dairy No. 34). Many laws for the protection of dairy products, passed by State legislatures, are inoperative. In some cases courts have failed to sustain the statutes; in others the non-enforcement is due to neglect to provide the necessary special officers and funds. The cost of enforcing the laws referred to varies greatly in the different States. This information can not be exactly obtained, as it is the custom to make but one appropriation for dairy and other food work, and expenditures for the former are not kept separately. In some cases the amounts used in the interest of pure dairy products reach \$10,000 per year, and this amount is far exceeded in two or three States. The salary of the executive officer rarely exceeds \$2,000.

The following is a list of the commissioners and other principal officers:

- CALIFORNIA.** Agent and secretary of the State dairy bureau, J. M. Thomas, San Francisco. Assistant agent, William H. Saylor.
- COLORADO.** State dairy commissioner, T. L. Monson, Denver. Deputy commissioner, B. S. Newland.
- CONNECTICUT.** Dairy commissioner, J. B. Noble, Hartford. Deputy commissioner R. O. Eaton, Montowese.
- ILLINOIS.** State food commissioner, Alfred H. Jones, Room 1623, Manhattan Building, Chicago. Assistant commissioner, Rudolph M. Patterson.
- INDIANA.** State inspector of food and drugs. J. N. Hurty (State health officer), Indianapolis.
- IOWA.** Dairy commissioner, B. P. Norton, Des Moines. Deputy commissioner, H. R. Wright.
- MASSACHUSETTS.** Executive officer of the dairy bureau, the secretary of the State board of agriculture. General agent State dairy bureau, George M. Whitaker, Box 1332, Boston.
- MICHIGAN.** Dairy and food commissioner, W. B. Snow, Lansing. Deputy commissioner, Perley C. Heald.
- MINNESOTA.** State dairy and food commissioner, W. W. P. McConnell, St. Paul. Assistant commissioner, G. L. Dingman.
- MISSOURI.** Ex-officio dairy commissioner, C. H. Eckles (Professor of dairy husbandry, University of Missouri), Columbia.
- NEBRASKA.** Food commissioner, the governor of the State. Deputy commissioner, S. C. Bassett, Lincoln.
- NEW JERSEY.** Chief inspector of food and drugs, George W. McGuire, Trenton.
- NEW YORK.** Commissioner of the department of agriculture (including dairy), Charles A. Wieting, Albany. Assistant commissioners, G. L. Flanders, Albany; F. J. H. Kracke, No. 23 Park Row, New York City.
- NORTH DAKOTA.** Ex-officio State dairy commissioner, the State commissioner of agriculture and labor. Assistant dairy and food commissioner, E. E. Kaufman, Fargo.
- OHIO.** Dairy and food commissioner, Joseph E. Blackburn, Columbus.
- OREGON.** Dairy and food commissioner, J. W. Bailey, Portland.
- PENNSYLVANIA.** Dairy and food commissioner of the department of agriculture, Jesse K. Cope, Harrisburg.
- SOUTH DAKOTA.** Food and dairy commissioner, C. P. Sherwood, DeSmet.
- UTAH.** Dairy and food commissioner, Moroni Heiner, Morgan City.
- WASHINGTON.** State dairy and food commissioner, E. A. McDonald, Seattle.
- WISCONSIN.** Dairy and food commissioner, H. C. Adams, Madison. Assistant commissioner, C. W. Sweeting.

CANADA. Commissioner of agriculture and dairying, James W. Robertson, Ottawa.

DAIRY ASSOCIATIONS, 1902.

The chief work of dairy associations is educational, but they also take an interest in all matters pertaining to the industry, especially legislation and the enforcement of dairy laws.

Most of the organizations named below publish the proceedings of their annual meetings. These are sometimes included with the reports of the State departments of agriculture, but are usually issued separately. It is now difficult to obtain full sets of reports of the older associations, which embrace much dairy information of a valuable and practical character. The same is true of reports of the American Dairymen's Association (1866-1880) and the Northwestern Dairymen's Association (1867-1883), which were disbanded when their field of operation had become occupied by the younger associations in the several States.

A considerable part of the expenses of holding conventions and publishing reports is met by membership fees which are generally \$1 per year, and special subscriptions of private individuals, firms, and towns where meetings are held; also by receipts from advertisements inserted in the official programs. But in some States the expenses are largely defrayed by annual grants of the legislatures. From this source the Wisconsin Dairymen's Association receives \$4,000; the Minnesota Dairymen's Association receives \$2,000; the Illinois State Dairymen's Association, \$1,500; the Connecticut Dairymen's Association, \$1,133; the associations in Vermont and Nebraska, \$1,000 each; the Indiana and New Hampshire associations receive \$500 each; the Wisconsin Cheese Makers' Association receives \$400; the Michigan Dairymen's Association receives \$300 and the expense of printing the annual reports; the Minnesota State Butter and Cheese Makers' Association receives about \$265, and the Georgia Association, \$25. In Iowa the expense of printing and distributing the proceedings of the annual meetings of the State Dairy Association is borne by the State; in New York and Pennsylvania a part of the expenses of the speakers at the annual meeting are paid by the State; and in Maine some assistance is received through the State commissioner of agriculture.

Prizes, consisting of money and articles useful in the dairy, are frequently offered by the supply trade and others for the best packages of butter and cheese exhibited at the meetings.

Following is a list of all dairy associations whose interests cover any considerable part of a State, or larger territory:

National Association of State Dairy and Food Departments. Organized 1897. Membership 30. President, Alfred H. Jones, 1623 Manhattan Building, Chicago, Ill. Secretary, J. B. Noble, Hartford, Conn. Annual meeting: Portland, Ore., July 8-10, 1902.

National Creamery Buttermakers' Association. Organized 1901. Membership 1,300. President, George E. Haskell, Lincoln, Nebr. Secretary, E. Sudendorf, Elgin, Ill. Annual meetings: St. Paul, Minn., February 18-22, 1901; Milwaukee, October 6-10, 1902.

National Dairy Union. Organized 1894. President, W. D. Hoard, Fort Atkinson, Wis. Secretary, Charles Y. Knight, 154 Lake street, Chicago, Ill. Annual meeting: Dubuque, Iowa, November 13, 1901.

New England Milk Producers' Union. Organized 1873. Membership over 3,000. President, A. B. Ward, Westboro, Mass. Secretary, W. A. Hunter, Rutland, Mass. Annual meeting: Boston, Mass., January 15, 1902.

Five States Milk Producers' Association. Organized 1898. Membership 5,400. President, Ira L. Snell, Kenwood, N. Y. Secretary, H. T. Coon, Homer, N. Y. Annual meetings: Binghamton, N. Y., August 20, 1901; Binghamton, N. Y., September 4, 1902.

ALABAMA. Alabama Dairymen's Association. Organized 1896. Membership 50. President, Isaac Ross, Opelika. Secretary, F. H. Bates, Hamburg. Annual meetings: Birmingham, November 8, 1899; Montgomery, December, 1902.

CALIFORNIA. California Dairy Association. Organized 1893.¹ President, Hon. Peter J. Shields, Sacramento. Secretary, Samuel E. Watson, 113 Davis street, San Francisco. Annual meeting: San Francisco, September 11, 12, 1901.

Dairymen's Association of Southern California. Organized 1894. Membership 75. President, C. H. Sessions, 1330 Carroll avenue, Los Angeles. Secretary, Horace G. Hamilton, 211 N. Beaudry avenue, Los Angeles. Annual meetings: Los Angeles, July 13, 1901; Los Angeles, July, 1902.

California Creamery Operators' Association. Organized 1901. Membership 92. President, Henry F. Lyon, 1413 Park street, Alameda. Secretary, William H. Saylor, 114 California street, San Francisco. General meetings: San Francisco, December 26, 27, 1901; —, December, 1902.

CONNECTICUT. Connecticut Dairymen's Association. Organized 1882.¹ Membership 190. President, F. H. Stadtmueller, Elmwood. Secretary, George E. Manchester, Station A, Winsted. Annual meetings: Hartford, January 22, 23, 1902; Hartford, third week in January, 1903.

¹ Incorporated.

CONNECTICUT.—Continued.

Connecticut Creamery Association. Organized 1890. Membership 25. President, E. A. Russell, Suffield. Secretary, E. B. Little, Somers. Annual meeting: Hartford, February 26, 1902.

GEORGIA. *Georgia Dairymen's Association.* Organized 1894. Membership 450. President, W. L. Williamson, Harmony Grove. Secretary, M. L. Duggan, Sparta. Annual meeting: Charleston, S. C., January 15, 16, 1902.

IDAHO. *Dairy and Pure Food Association.* Organized 1900. Membership 25. President, H. T. French, Moscow. Secretary, A. E. Gipson, Caldwell. General meeting: Boise, January 17, 18, 1902.

ILLINOIS. *Illinois State Dairymen's Association.* Organized 1874. Membership 270. President, Joseph Newman, Elgin. Secretary, George Caven, 154 Lake street, Chicago. Annual meetings: Freeport, January 7-9, 1902; ——— January 6-9, 1903.

Chicago Milk Shippers' Union. Organized 1896.¹ Membership 3,000. President, D. S. Burgess, Salem, Wisconsin. Secretary, H. B. Farmer, 92 La Salle street, Chicago. General meetings: Chicago, February 24, 1902; Chicago, February 23, 1903.

INDIANA. *Indiana State Dairy Association.* Organized 1891. Membership 102. President, C. S. Plumb, Lafayette. Secretary, H. E. Van Norman, Lafayette. Annual meetings: Plainfield, December 18, 19, 1901; Lafayette, (probably) third week in January, 1903.

IOWA. *Iowa State Dairy Association.* Organized 1876.¹ Membership 500. President, H. B. Shilling, Mason City. Secretary, J. C. Daly, Charles City. Annual meeting: Dubuque, November 12-14, 1901.

KANSAS. *Kansas State Dairy Association.* Organized 1888. Membership 200. President, E. C. Lewellen, Newton. Secretary, T. A. Borman, 505 Polk street, Topeka. Annual meeting: Manhattan, March 4-7, 1902.

MAINE. *Maine Dairymen's Association.* Organized 1898. Membership 75. President, Rutillus Alden, Winthrop. Secretary, L. W. Dyer, Woodfords. Annual meeting: Winthrop, December 10, 1901.

MASSACHUSETTS. *Massachusetts Creamery Association.* Organized 1895. Membership 25. President, Watson N. Wright, Easthampton. Secretary, A. M. Lyman, Montague. Annual meetings: Northampton, December 28, 1901; (probably) Northampton, December 17, 1902.

MICHIGAN. *Michigan Dairymen's Association.* Organized 1885.¹ Membership 120. President, Fred. M. Warner, Farmington. Secretary, S. J. Wilson, Flint. Annual meetings: Agricultural College, February 4-6, 1902; Agricultural College, February 3-5, 1903.

Grand Traverse Dairymen's Association. Organized 1901. President, John F. Miller, Traverse City. Secretary, A. P. Gray, Traverse City. Annual meeting: Traverse City, March 5 and 6, 1902.

MINNESOTA. *Minnesota State Dairymen's Association.* Organized 1878.¹ Membership 186. President, A. W. Mowbray, St. Charles. Secretary, J. R. Morley, Owatonna. Annual meeting: Sauk Center, December 10-12, 1901.

Minnesota State Butter and Cheese Makers' Association. Organized 1894.¹ Membership 281. President, H. T. Sondergaard, Litchfield. Secretary, J. K. Bennett, Clinton Falls. Annual meeting: St. Cloud, November 20, 21, 1901.

MISSOURI. *Missouri Dairymen's Association.* Organized 1890. Membership 80. President, J. J. Smith, Sweet Springs. Secretary, Levi Chubbuck, 1214 Chemical building, St. Louis. Annual meeting: Palmyra, November 2-9, 1901.

NEBRASKA. *Nebraska Dairymen's Association.* Organized 1885. Membership 145. President, E. S. Snively, Lincoln. Secretary, S. C. Bassett, Gibbon. Annual meeting: Lincoln, January 22-24, 1902.

¹Incorporated.

- NEW HAMPSHIRE. *Granite State Dairymen's Association*. Organized 1884. Membership 25. President, J. L. Gerrish, Contoocook. Secretary, Ivan C. Weld, Durham. Annual meetings: Claremont, December 5, 6, 1901; Littleton, December, 1902.
- NEW JERSEY. *New Jersey State Dairy Union*. Organized 1899. Membership 80. President, Charles Howell Cook, Trenton. Secretary, George L. Gillingham, Moorestown. Annual meeting: Trenton, January 16, 1901.
- NEW YORK. *New York State Dairymen's Association*. Organized 1877.¹ Membership 275. President, D. P. Witter, Berkshire. Secretary W. W. Hall, Gouverneur. Annual meeting: Olean, December 11, 12, 1901.
- NORTH CAROLINA. *North Carolina State Dairymen's Association*. Organized 1894.¹ President, George F. Weston, Biltmore. Secretary, ———. Annual meeting: Raleigh, Wednesday of State Fair week.
- OHIO. *Ohio State Dairymen's Association*. Organized 1894. Membership 175. President, L. P. Bailey, Tacoma. Secretary, Jas. Devol, Marietta. Annual meetings: Columbus, February 5-7, 1902; Columbus, February 11-13, 1903.
- OREGON. *Oregon Dairymen's Association*. Organized 1892. Membership 41. President, Thomas Froman, Albany. Secretary, F. L. Kent, Corvallis. Annual meetings: Salem, January 6-8, 1902; Hillsboro, December 1903.
- PENNSYLVANIA. *Pennsylvania Dairy Union*. Organized 1898.¹ Membership 250. President, W. F. McSparran, Furness. Secretary, H. Hayward, State College. Annual meetings: York, December 4, 5, 1901; Harrisburg, December 9-11, 1902.
- Creamery Association of Eastern Pennsylvania and Vicinity*. Reorganized 1890. Membership 75. President, John I. Carter, Chatham. Secretary, George R. Meloney, 1937 Market street, Philadelphia. Annual meeting: Philadelphia, January 5, 1901.
- SOUTH DAKOTA. *South Dakota Dairy and Buttermakers' Association*. Organized 1890. Membership 100. President, Leland Griffin, Desmet. Secretary, C. P. Sherwood, Desmet. Annual meeting: Huron December 3-5, 1901.
- TEXAS. *Dairymen's Association*. Organized 1897. Membership 40. President J. M. Vance, San Antonio. Secretary, J. H. Tom, Georgetown. Annual meetings: College Station, July 23-25, 1901, ———, July, 1902.
- UTAH. *Utah Dairymen's Association*. Organized 1894. Membership 40. President, C. G. Harris, Richmond. Secretary, ———. Annual meeting: Salt Lake City, April 3-5, 1901.
- VERMONT. *Vermont Dairymen's Association*. Organized 1870. Membership about 500. President, Geo. Aitken, Woodstock. Secretary, F. L. Davis, North Pomfret. Annual meeting: Montpelier, January 7-9, 1902.
- WASHINGTON. *Washington State Dairymen's Association*. Organized 1894. Membership 200. President, H. L. Blanchard, Chimacum. Secretary, D. S. Troy, Chimacum. Annual meeting: Everett, December 26-28, 1901.
- WISCONSIN. *Wisconsin Dairymen's Association*. Organized 1872. President, J. Q. Emery, Albion. Secretary, George W. Burchard, Fort Atkinson. Annual meetings: Menomonie, February 12-16, 1902; (probably) Fond du Lac, second week in February, 1903.
- Wisconsin Cheese Makers' Association*. Organized 1893.¹ Membership 275. President, W. C. Dixon, Madison. Secretary, U. S. Baer, Madison. Annual meetings: Milwaukee, January 8-10, 1902; Milwaukee, January, 1903.
- Wisconsin Buttermakers' Association*. Organized 1901. Membership 242. President, F. B. Fulmer, Ettrick. Secretary, E. H. Farrington, Madison. Annual meeting: Madison, January 14, 1902.

¹ Incorporated.

DAIRY SCHOOLS, 1902.

In the prominent dairy States, and in several others, the State agricultural colleges and some other institutions conduct dairy schools in which they offer short courses in the different branches of dairying. Instruction continues a few weeks, and is given by lectures, laboratory practice, and work in the dairy. It includes the principles of breeding and feeding dairy cattle, practical exercises in testing milk, and the manufacture and care of dairy products; in some cases, also, the pasteurization of milk and a brief study of dairy bacteriology. There are few entrance requirements.

All of the instruction given in the short courses is offered to students taking longer dairy courses and the full college courses in agriculture, and these have opportunity to pursue advanced work and to specialize along lines in which they are most interested.

As a rule all the work in the creamery and cheese factory short courses bears directly upon these industries, while in the farm dairy courses subjects less closely related to dairying are usually taken.

The kinds of short courses offered, the seasons at which given, and the addresses of persons from whom full particulars can be obtained, including the names of the institutions where the courses are given, are stated below. In some of the States not named the regular college courses in agriculture include instruction in dairying, and in these cases arrangements can usually be made to take lectures and laboratory work and, at times, practical work along dairy lines, by corresponding with the professors of agriculture at the State agricultural colleges.

ALABAMA. Farm dairy, fall term. Prof. J. Duggar, Alabama Polytechnic Institute, Auburn.

Creamery and dairy farming, by special arrangement. Prof. G. R. Bridgeforth, Agricultural College for Negroes, Normal.

Creamery cheese factory, by special arrangement. Prof. George W. Carver, Tuskegee Normal and Industrial Institute, Tuskegee.

CALIFORNIA. Creamery and cheese factory, fall; ranch dairy, winter. Prof. Leroy Anderson, University of California, Berkeley.

COLORADO. Farm dairy, fall and spring. Prof. B. C. Buffum, State Agricultural College, Fort Collins.

CONNECTICUT. Creamery and farm dairy, winter. Prof. C. L. Beach, Agricultural College, Storrs.

FLORIDA. Farm dairy, winter. Prof. Horace E. Stockbridge, Agricultural College, Lake City.

Butter making, fall, winter, and spring. Prof. N. B. Young, Normal and Industrial College, Tallahassee.

GEORGIA. Creamery and farm dairy, winter; cheese making at the experiment station by special arrangement. Prof. H. N. Starnes, State College of Agriculture, Athens.

IDAHO. Creamery and farm dairy, winter. Prof. H. T. French, College of Agriculture, State University, Moscow.

ILLINOIS. Creamery, farm dairy; city milk supply; dairy bacteriology, February to June; milk, creamery, and cheese factory, September to February. Prof. E. Davenport, College of Agriculture, University of Illinois, Urbana.

INDIANA. Farm dairy, winter. Mr. H. E. Van Norman, School of Agriculture, Purdue University, Lafayette.

IOWA. Creamery, by special arrangement, winter; cheese factory, fall; farm dairy, spring. One year and four years' course. Prof. G. L. McKay, State College of Agriculture, Ames.

KANSAS. Creamery, cheese factory, and farm dairy, winter. Prof. D. H. Otis, State Agricultural College, Manhattan.

KENTUCKY. Farm dairy, winter. Prof. C. W. Mathews, State Agricultural College, Lexington.

Farm dairy, by special arrangement. Prof. W. D. Thomas, State Normal School for Colored Students, Frankfort.

LOUISIANA. Farm dairy, winter and spring. Prof. S. E. McClendon, Southern University and Agricultural and Mechanical College, New Orleans.

MAINE. Farm dairy, winter. Prof. G. M. Gowell, University of Maine, Orono.

MARYLAND. Creamery, by special arrangement; farm dairy, winter. Prof. H. J. Patterson, Maryland Agricultural College, College Park.

MASSACHUSETTS. Creamery and farm dairy, winter. Prof. Wm. P. Brooks, Massachusetts Agricultural College, Amherst.

MICHIGAN. Creamery, cheese factory, and farm dairy, winter. Prof. Clinton D. Smith, Michigan Agricultural College, Agricultural College.

MINNESOTA. Creamery and cheese factory (including fancy cheese), winter; farm dairy, fall and winter. Prof. T. L. Haecker, College of Agriculture, University of Minnesota, St. Anthony Park.

- MISSISSIPPI. Creamery and farm dairy, winter and spring. Prof. J. S. Moore, Mississippi Agricultural College, Agricultural College.
Farm dairy, winter and spring. Prof. J. M. Hicks, Alcorn Agricultural College, Westside.
- MISSOURI. Creamery, cheese factory, and farm dairying, winter. Prof. C. H. Eckles, College of Agriculture, University of Missouri, Columbia.
Farm dairy, fall, winter and spring. Prof. G. S. Murray, Lincoln Institute for Negroes, Jefferson City.
- MONTANA. Creamery and farm dairy, winter. Prof. R. S. Shaw, College of Agriculture, Bozeman.
- NEBRASKA. Farm dairy, winter. Prof. A. L. Haecker, Industrial College, University of Nebraska, Lincoln.
- NEVADA. Creamery, winter. Prof. N. E. Wilson, School of Agriculture, State University, Reno.
- NEW HAMPSHIRE. Creamery and farm dairy, winter. Prof. Ivan C. Weld, College of Agriculture, Durham.
- NEW MEXICO. Farm dairy, by special arrangement. Prof. J. J. Vernon, College of Agriculture, Mesilla Park.
- NEW YORK. Creamery and cheese factory, winter; farm dairy, fall and winter. Prof. I. P. Roberts, Cornell University, Ithaca.
- NORTH CAROLINA. Creamery and farm dairy, winter. Prof. Charles Wm. Burkett, College of Agriculture, West Raleigh.
Farm dairy, winter. Prof. John Thompson, Agricultural College for Colored Race, Greensboro.
- NORTH DAKOTA. Farm dairy, winter. Prof. E. E. Kaufman, State College, Agricultural College.
- OHIO. Creamery, cheese factory and farm dairy, winter. Prof. John W. Decker, Ohio State University, Columbus.
- OKLAHOMA. Farm dairy, winter. Prof. J. Fields, Oklahoma Agricultural College, Stillwater.
- OREGON. Creamery and cheese factory, winter; farm dairy, fall and spring. Prof. F. L. Kent, State Agricultural College, Corvallis.
- PENNSYLVANIA. Creamery, winter. Prof. H. Hayward, Pennsylvania State College, State College.
- SOUTH CAROLINA. Farm dairy, winter. Prof. G. C. Williams, Colored Agricultural College, Orangeburg.
- SOUTH DAKOTA. Creamery, winter; farm dairy, fall and spring. Prof. A. H. Wheaton, South Dakota Agricultural College, Brookings.
- TENNESSEE. Creamery, farm dairy, cheese factory, commercial milk dairying, winter. Prof. A. M. Soule, University of Tennessee, Knoxville.
- TEXAS. Creamery, cheese factory, and farm dairy, winter, by special arrangement. Prof. J. H. Connell, State Agricultural College, College Station.
- UTAH. Creamery, cheese factory and farm dairy, winter, and by special arrangement. Prof. F. B. Linfield, Agricultural College, Logan.
- VERMONT. Creamery, winter. Prof. Joseph L. Hills, Agricultural College of State University, Burlington.
- VIRGINIA. Creamery, cheese factory, and farm dairy, by special arrangement. Prof. D. O. Nourse, Virginia Agricultural College, Blacksburg.
Farm dairy, fall and winter, and by special arrangement. Prof. C. L. Goodrich, Normal and Agricultural Institute, Hampton.
- WASHINGTON. Creamery and cheese factory, winter; farm dairy, spring. Prof. E. E. Elliott, Washington Agricultural College, Pullman.
- WISCONSIN. Creamery, cheese factory, and farm dairy, winter; special courses, summer. Prof. E. H. Farrington, College of Agriculture, University of Wisconsin, Madison.

DAIRY STATISTICS OF THE UNITED STATES.

[From preliminary reports of the Twelfth Census, for the year 1900; substantially complete, but subject to some revision.]

Numbers and products of dairy farms.

Farms—			
Total in the country	number..	5,739,657	
Reported as dairy farms <i>a</i>	do.....	357,578	
Reporting dairy cows	do.....	4,514,210	
Cows—			
Kept for milk, on farms	do.....	17,139,674	
Not on farms, or "town cows"	do.....	973,033	
Total dairy cows	do.....	18,112,707	
Milk—			
Produced on farms	gallons ..	7,266,392,674	
From cows not on farms <i>b</i>	do.....	462,190,676	
Total produced	do.....	7,728,583,350	
Butter—			
Made on farms	pounds ..	1,071,745,127	
Made in creameries, etc	do.....	420,954,016	
Total produced	do.....	1,492,699,143	
Cheese—			
Made on farms	do.....	16,372,330	
Made in factories	do.....	282,332,774	
Total produced	do.....	298,905,404	
Condensed milk—			
Total produced	do.....	186,921,787	
Total value of dairy products in 1900 <i>b</i>			\$600,000,000

a Farms deriving at least 40 per cent of total income from dairy.

b Estimated.

Exports of dairy products from the United States in the calendar years 1899, 1900, and 1901.

Year.	Butter.		Cheese.		Condensed milk.
	<i>Pounds.</i>	<i>Dollars.</i>	<i>Pounds.</i>	<i>Dollars.</i>	<i>Dollars.</i>
1899	27,308,869	4,502,744	34,686,833	3,376,108	1,188,057
1900	13,283,557	2,396,062	54,059,049	5,549,254	1,288,127
1901	24,249,565	4,184,966	31,396,115	3,006,344	1,646,579

Butter and cheese for 1901, by countries.

Exported to—	Butter.		Cheese.	
	<i>Pounds.</i>	<i>Dollars.</i>	<i>Pounds.</i>	<i>Dollars.</i>
United Kingdom	17,146,985	3,046,395	29,179,866	2,740,947
Germany	552,714	86,462	5,295	540
Other Europe	622,526	87,626		
British North America	905,475	178,345	359,996	35,019
Mexico	378,351	71,942	302,228	35,714
Central American States and British Honduras	231,741	44,486	190,867	23,779
West Indies and Bermuda	1,850,059	311,410	842,666	107,648
Brazil	1,499,309	183,496	5,161	591
Other South America	806,526	124,715	107,831	13,624
Asia and Oceania	220,886	43,743	387,189	46,690
All other countries	34,993	6,346	15,016	1,792
Total, calendar year 1901	24,249,565	4,184,966	31,396,115	3,006,344